

Version Description Document (VDD)
Crack Version 1.0.0.2 for HP-UX 10.20
9 May 1997

1. Scope

1.1 Identification

This Version Description Document describes the conversion of Crack, Segment directory name CRACK, Version 1.0.0.2 from a COTS segment into a COE Component segment. This release is for the HP-UX 10.20 platform.

1.2 System Overview

This version of Crack is a freely available program designed to find standard Unix eight-character DES encrypted passwords by standard guessing techniques. It is written to be flexible, configurable and fast, and to be able to make use of several networked hosts via the Berkeley rsh program (or similar), where possible.

System configuration variables and command line options can be found in Appendix A of the SAM document for Crack Version 1.0.0.2, 9 May 1997.

1.3 Product Information

Product Dependencies:

None.

2. Referenced Documents

System Administrator's Manual (SAM) for Crack Version 1.0.0.2, 9 May 1997.
Installation Procedures (IP) for Crack Version 1.0.0.2, 9 May 1997.

3. Version Description

The Installation Procedures provides step-by-step procedures for installing the system or segment, including hardware and software requirements.

The Software Requirements Specification specifies the software characteristics that are required for acceptance of the software for the DII COE.

The System Administrator's Manual provides specific guidance for System Administrators to support COE system and software installation and maintenance.

The Software Test Plan describes the types of tests and provides traceability to the software requirements they satisfy.

The Software Test Description describes the test cases and acceptance criteria that will be used to test the software.

The Software Test Report provides a technical report with supporting documentation (package of materials) required to evaluate the results of the software tests described in the STD.

3.2 Inventory of Software Contents

! Integ

VSOutput

! Scripts

CRACK.cron_remove
CRACK.cron_remove.xterm
CRACK.weekly_config
CRACK.weekly_config.xterm
CRACK.weekly_cron

! SegDescrip

DEINSTALL
Installed
PostInstall

CRACK.ckpswd
CRACK.init
CRACK.mrgpwd
CRACK.xterm
Dicts_Master
Spswdbuf.awk
crack/
crack_pswd
cur_dicts
make
make.rules
xx

! bin/crack

APPENDIX
BUGS
Crack
Crack.cln
Dicts/
Dicts_Master
DictSrc/
Docs/
HP/
LICENCE
MANIFEST
README
README.LUCS
Runtime/
Scripts/
Sources/
TODO
cur_dicts
generic/
ufc-crypt/
words

! bin/crack/DictSrc

.lockfile
bigdict.Z

! bin/crack/Docs

readme.ms
readme.txt

! bin/crack/HP

Makefile
crack-pwc

! bin/crack/Runtime

D*
F*
P*

! bin/crack/Scripts

Crack.network
Rcrack
Rcrack.cln
clean
crack.mf
dicts.rules
do_install
do_join
do_pwc
do_ufc
gecos.rules
guess2fbk
install.mf
mrgfbk
mrgfbk.sav
nastygram

status

! bin/crack/Sources

Makefile
Makefile.cln
bytesex.c
conf.h
crack-fcrypt.c
crack-glob.c
crack-glob.h
crack-lib.c
crack-pwc.c
crack-sort.c
crack-suppl.c
crack.h
makefile.sav
speeds.c
tester.c
testrule.c

! bin/crack/generic

Makefile
crack-pwc
sav/

! bin/crack/generic/sav

sav.crack-pwc

! bin/crack/ufc-crypt

COPYING
Makefile
Makefile.cln
README
S2o

```
makefile.sav  
patchlevel.h  
speeds.c  
ufc-crypt.h  
ufc.c
```

! data

```
.CRACK_SEGDIR  
bitmap/  
files/  
root.old
```

! data/bitmap

```
CRACK.xbm
```

! data/files

! lib

! man

3.3 Changes Installed

This version contains the conversion of Crack from a COTS segment into a COE Component software segment.

This version changes the way the icon is handled in order to be consistent with previous COE Components.

This version includes the make and make.rules scripts with links to the appropriate directories if make is not on system already.

Made change to PostInstall for linking purposes. The link made from /h/data/local/.CRACK_SEGDIR to where CRACK is stored only worked when segment was installed on /h because used **Aln@**. Changed **Aln@** to **Aln -s@** which allows links between different file systems and therefore can be installed on other home directories.

3.6 Installation Instructions

This version of Crack can be installed in accordance with the Installation Procedures (IP) of Crack Version 1.0.0.2, 9 May 1997.

3.7 Possible Problems and Known Errors

See Appendix A of this document.

4. Notes

4.1 Acronyms and Abbreviations

COE	Common Operating Environment
COTS	Commercial Off The Shelf Software
IP	Installation Procedures
SAM	System Administrator's Manual

Appendix A. Crack BUGS file

- ! Crack: is known to occasionally hang during a "Crack -network" whilst rshing from machine to machine on some architectures. It's a persistent problem at some sites, when Crack rsh'es to a particular machine and stays there, and thus never calls the next machine.

FIX: mark machines that hang Crack with the "-f" option in network.conf file, then the 'rsh' will be backgrounded and Crack will continue to the next machine. The tweak in Crack Version 1.0.0.2 to close descriptors 0->9 on all machines (esp Apollos) may help this.

- ! Beta testers on DEC 5500s have reported crack-pwc crashing when compiled with the optimizer. This apparently doesn't happen using GCC or when optimization is turned off (heisenbug?)

Be warned.

- ! Early System V type systems will have problems if the environment variable SHELL is not set to "/bin/sh" - this is because SV will blithely ignore the "#!/bin/sh" line and invoke a csh anyway, if that is what you prefer.

This is probably most easily diagnosed when Crack bails out like this:
CRACK_HOME=/your/crack/directory: Command not found.

- or similar.